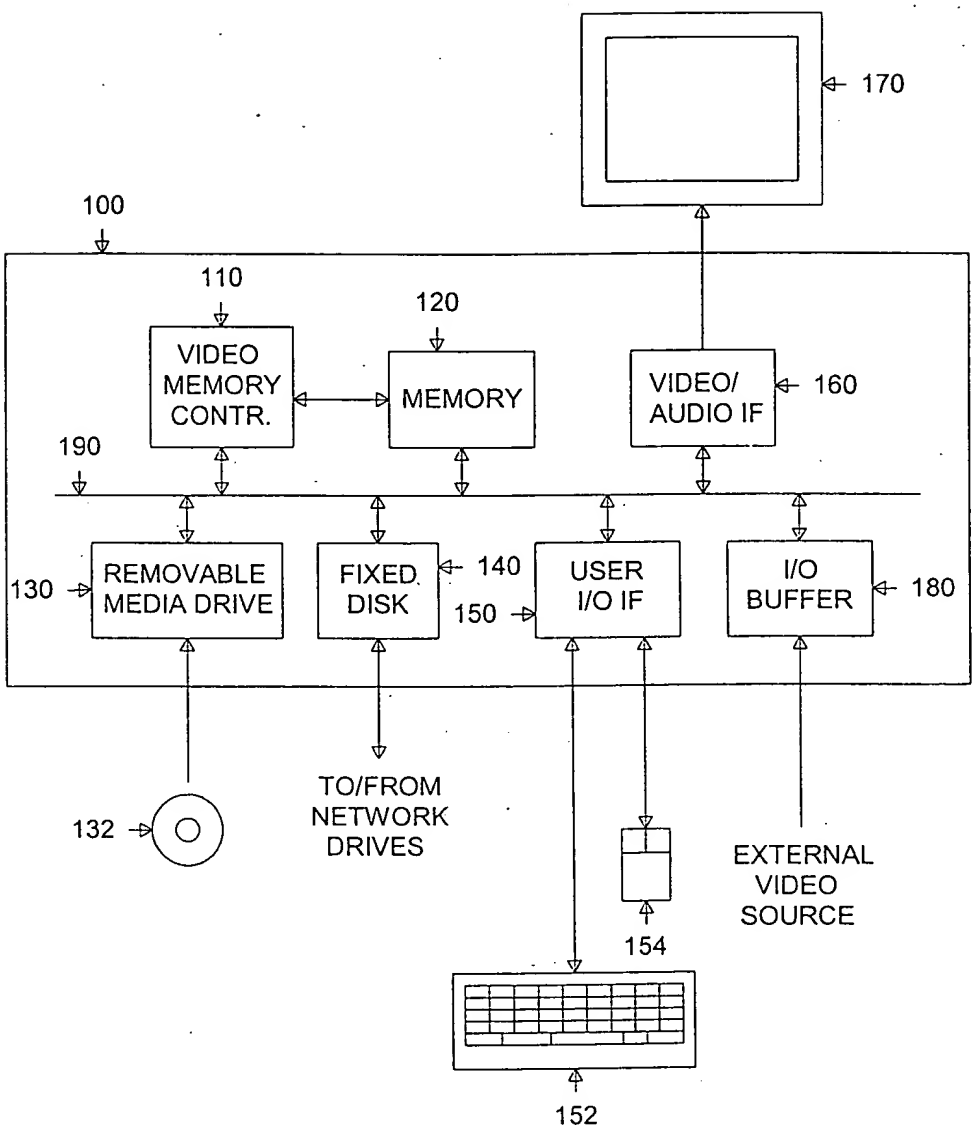
170
100
110
120
VIDEO MEMORY CONTR.
MEMORY
VIDEO/ AUDIO IF
160
190
130
REMOVABLE MEDIA DRIVE
FIXED DISK
140
150
USER I/O IF
I/O BUFFER
180
132
TO/FROM NETWORK DRIVES
154
EXTERNAL VIDEO SOURCE
152

FIGURE 1

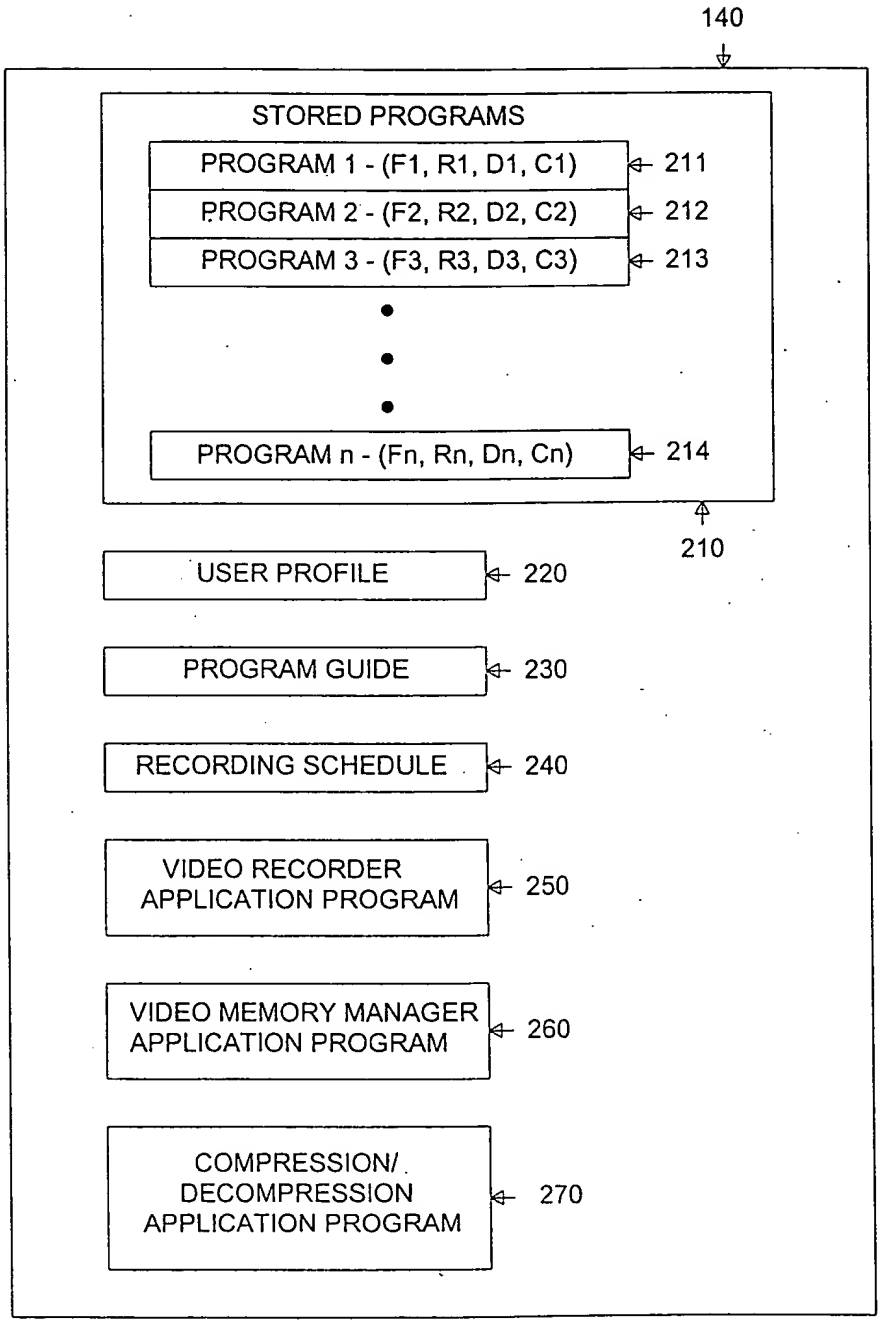
140
STORED PROGRAMS
PROGRAM 1 - (F1, R1, D1, C1)
211
PROGRAM 2 - (F2, R2, D2, C2)
212
PROGRAM 3 - (F3, R3, D3, C3)
213
PROGRAM n - (Fn, Rn, Dn, Cn)
214
210
USER PROFILE
220
PROGRAM GUIDE
230
RECORDING SCHEDULE
240
VIDEO RECORDER APPLICATION PROGRAM
250
VIDEO MEMORY MANAGER APPLICATION PROGRAM
260
COMPRESSION/ DECOMPRESSION APPLICATION PROGRAM
270

FIGURE 2

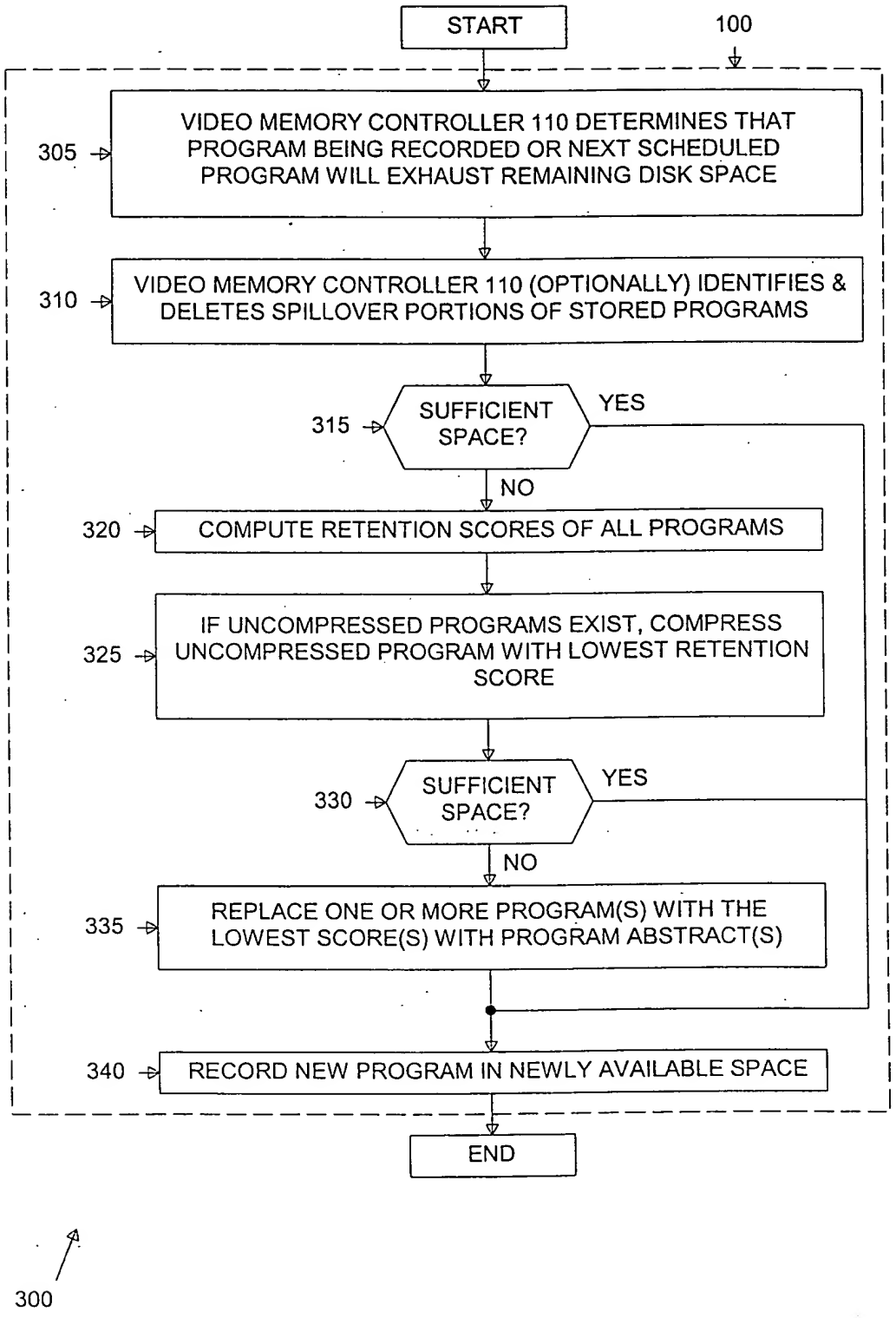
START
100
305
VIDEO MEMORY CONTROLLER 110 DETERMINES THAT PROGRAM BEING RECORDED OR NEXT SCHEDULED PROGRAM WILL EXHAUST REMAINING DISK SPACE
310
VIDEO MEMORY CONTROLLER 110 (OPTIONALLY) IDENTIFIES & DELETES SPILLOVER PORTIONS OF STORED PROGRAMS
315
SUFFICIENT SPACE?
YES
NO
320
COMPUTE RETENTION SCORES OF ALL PROGRAMS
325
IF UNCOMPRESSED PROGRAMS EXIST, COMPRESS UNCOMPRESSED PROGRAM WITH LOWEST RETENTION SCORE
330
SUFFICIENT SPACE?
YES
NO
335
REPLACE ONE OR MORE PROGRAM(S) WITH THE LOWEST SCORE(S) WITH PROGRAM ABSTRACT(S)
340
RECORD NEW PROGRAM IN NEWLY AVAILABLE SPACE
END
300

FIGURE 3